



# Addressing the Challenge of Sustainable Electricity

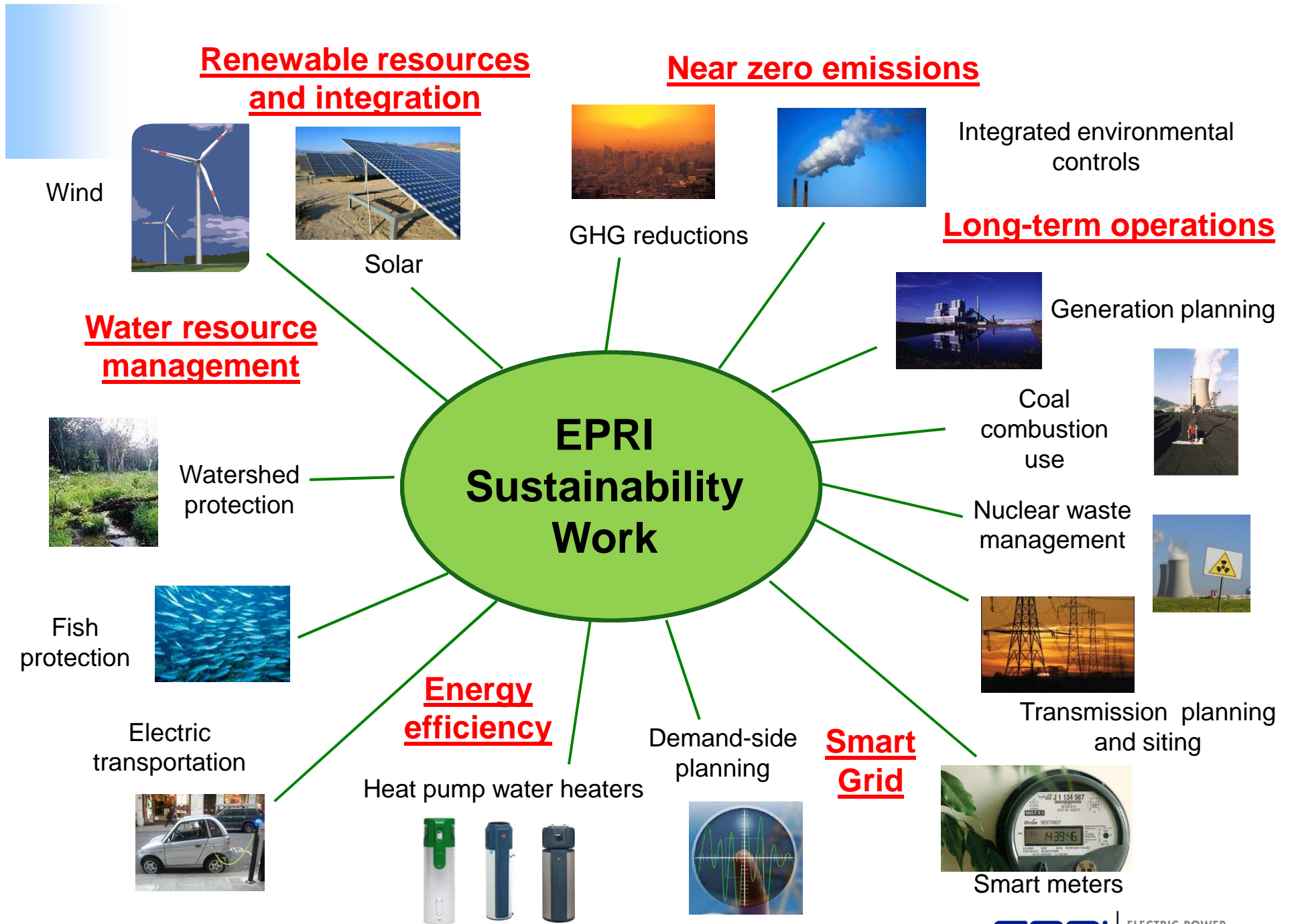
**Jessica Fox**

California Public Utilities Commission

August 21, 2012

# Power Companies Collaborating

- Collaborative projects are identifying strategic steps:
  - Understand Issues and Priorities
  - Identify Metrics
  - Create and Test Decision Support Tools
  - Engage Voluntary Reporting Standards



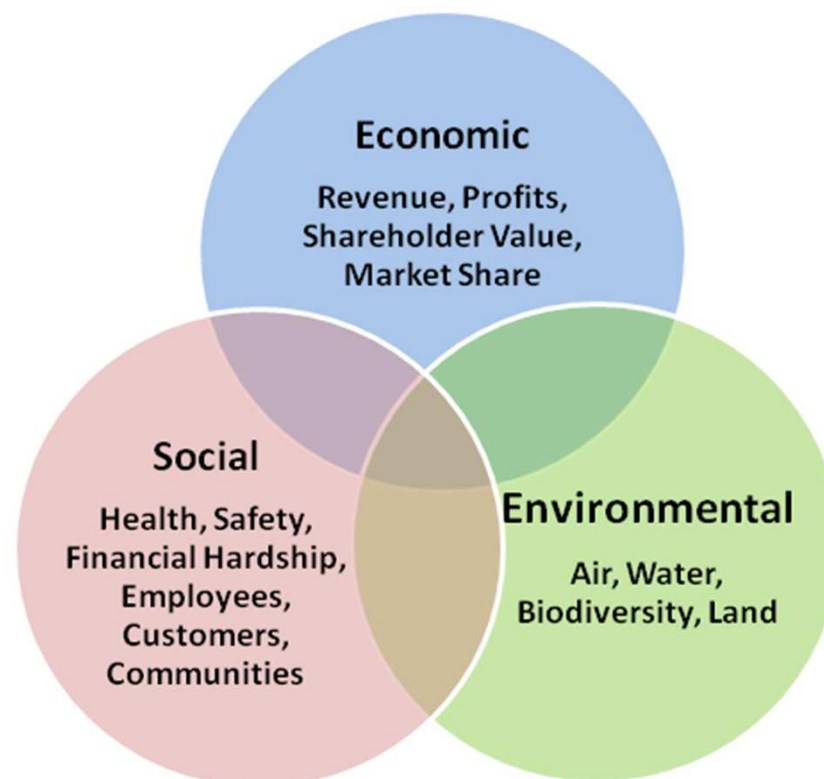
# Energy Sustainability Interest Group

## Issue

- Utility stakeholders expect accountability and progress on sustainability

## EPRI Response

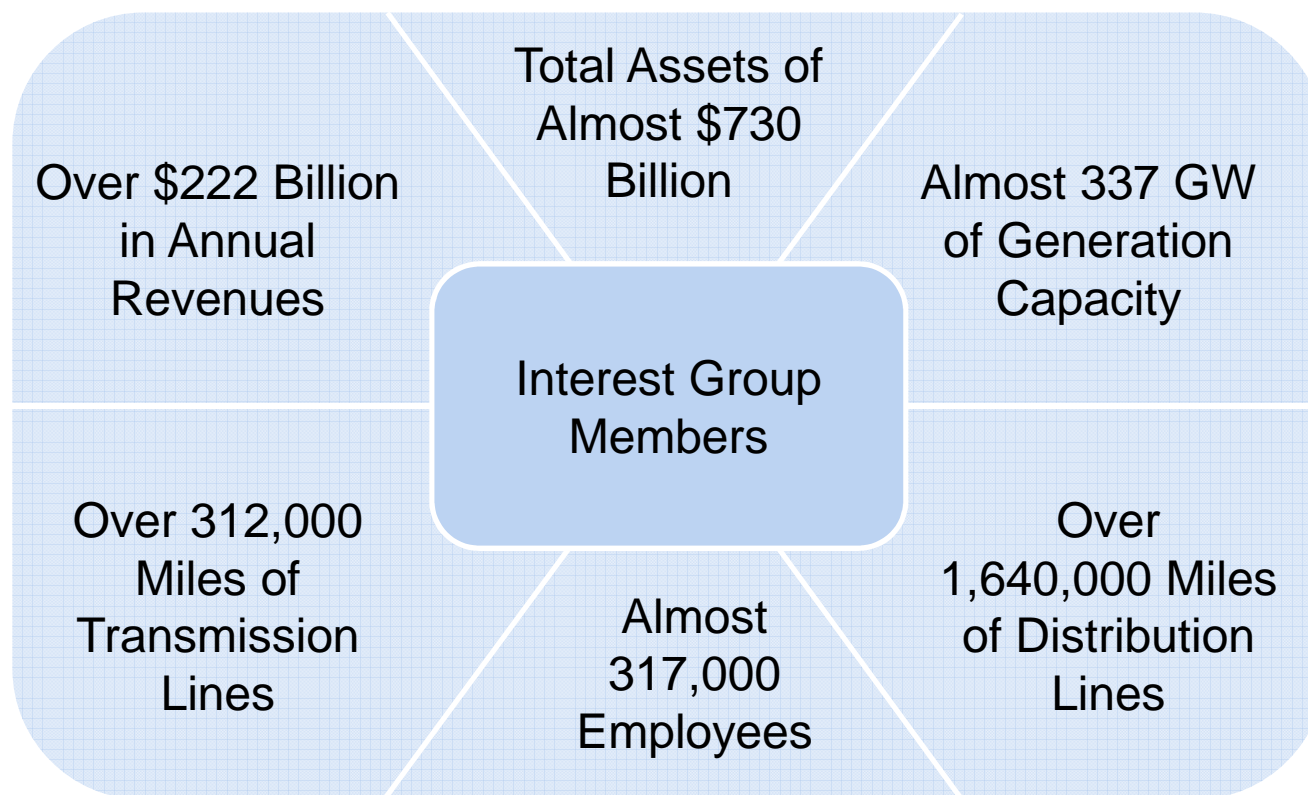
- Creates a forum for a sustainable energy future
- Identify strategic value of sustainable business practices
- Exchange sustainability best practices
- Address sustainable energy challenges collaboratively



# EPRI Energy Sustainability Interest Group



# Interest Group Reach



Figures for 2012 Membership

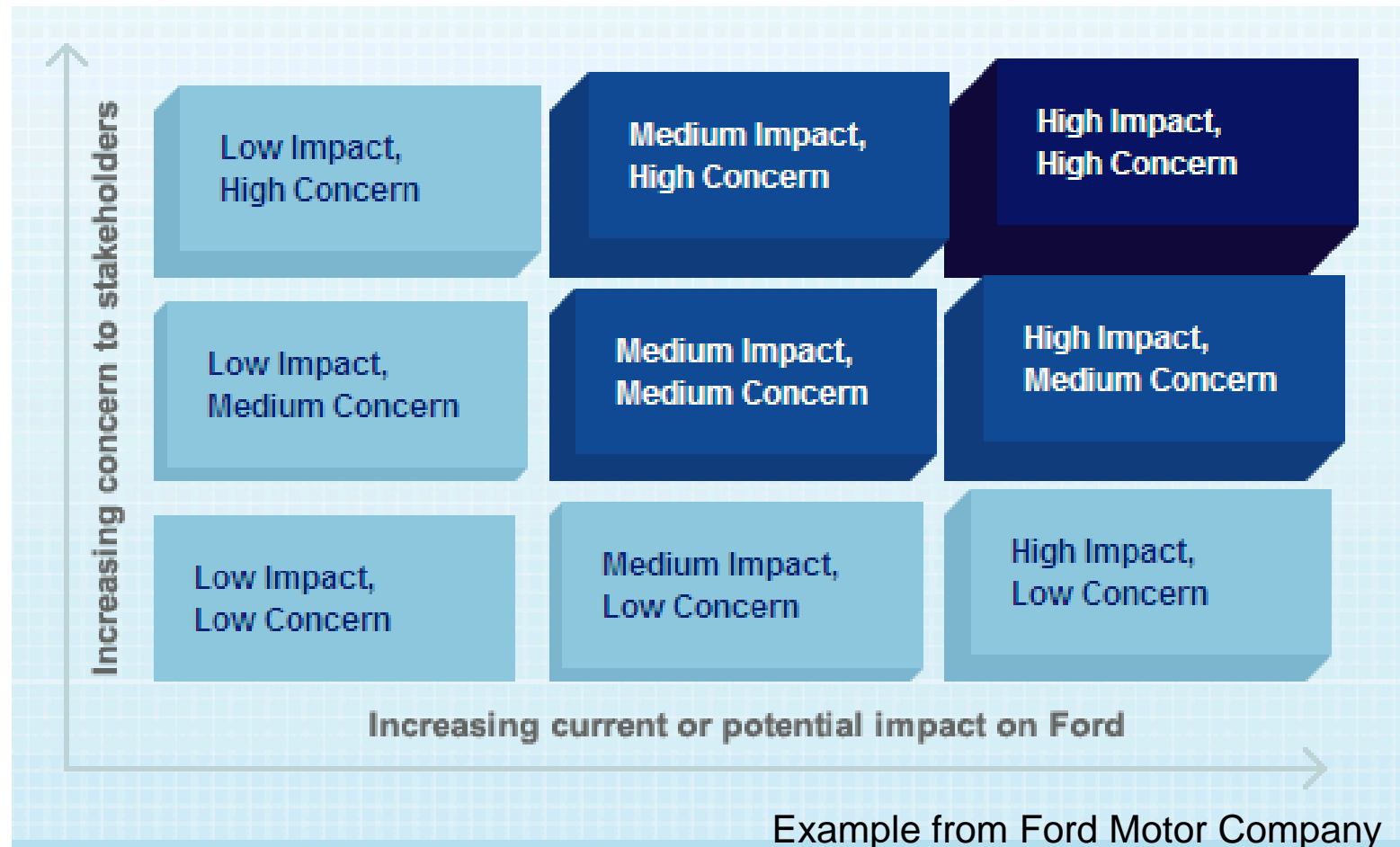


# What are the Sustainability Priorities?

Public Safety	Waste Management
Demand Side Usage	Affordability
Clean Generation	Customer Experience
Community Contribution	Reliable Generation
Air Emissions	Water Management
Biodiversity	Employee Engagement
Business Ethics	Smart Grid
Reliable Delivery	Supply Chain
Supply Side Usage	Toxic Releases
Carbon Risk	

# Materiality Matrix

## *Understanding Strategic Industry & Stakeholder Priorities*





# Some Companies Using Materiality Matrices

**BOMBARDIER**  
the evolution of mobility



**DAIMLER**



**SIEMENS**



# Maturity Model: Illustrative Example

## *Mapping Sustainability Operational & Management Practices*

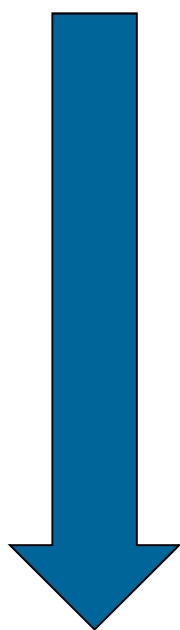
	Stage 1: Initial	Stage 2: Repeatable	Stage 3: Defined	Stage 4: Managed	Stage 5: Optimizing
Governance & Policy					
Stakeholder Engagement					
Key Performance Indicators					
Goals & Priorities					
Organizational Initiatives					
Reporting & Transparency					

# Engage Third Parties

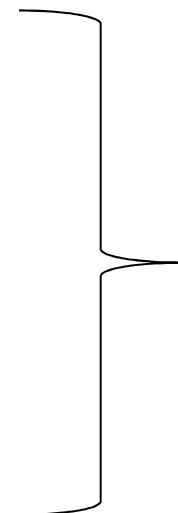
**CARBON DISCLOSURE PROJECT**



# Advancing Sustainability for Power Companies



Identify Priorities  
Identify Metrics  
Assess Status  
Choose Actions



Optimize social,  
economic, and  
environmental  
decisions.



# **Together...Shaping the Future of Electricity**